

Application No.: 10/726,995

Case No.: 59415US002

Amendments to the Claims:

Please add new claims 27-29 as shown in the following claim listing:

1. (Previously presented) A light source, comprising:
an LED that emits excitation light;
a first flexible multilayer reflector that reflects at least a portion of visible light and
transmits the excitation light; and
a layer of phosphor material adjacent the flexible multilayer reflector, the phosphor
material emitting visible light when illuminated with the excitation light;
wherein the first flexible multilayer reflector comprises a polymeric material that resists
degradation when exposed to blue, violet, or ultraviolet light.
2. (Original) The light source according to claim 1, wherein the first flexible multilayer
reflector comprises a first polymeric multilayer reflector.
3. (Previously presented) A light source, comprising:
an LED that emits excitation light;
a first flexible multilayer reflector that reflects at least a portion of visible light and
transmits the excitation light; and
a layer of phosphor material adjacent the flexible multilayer reflector, the phosphor
material emitting visible light when illuminated with the excitation light;
wherein the layer of phosphor material further comprises an adhesive.
4. (Original) The light source according to claim 1, wherein the flexible multilayer reflector
comprises alternating layers of a first and second thermoplastic polymer and wherein at least
some of the layers are birefringent.
5. (Original) The light source according to claim 1, wherein the excitation light comprises
UV light.

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6. (Original) The light source according to claim 1, wherein the excitation light comprises blue light.
7. (Original) The light source according to claim 1, wherein the layer of phosphor material further comprises a binder material.
8. (Original) The light source according to claim 1, wherein the first flexible multilayer reflector comprises a polymeric material that resists degradation when exposed to UV light.
9. (Original) The light source according to claim 1, wherein the first flexible multilayer reflector is a polymeric material substantially free of inorganic materials.
10. (Original) The light source according to claim 1, wherein the first flexible multilayer reflector is disposed between the LED and the layer of phosphor material.
11. (Original) The light source according to claim 10, wherein the first flexible multilayer reflector reflects visible light and transmits UV light or blue light.
12. (Canceled)
13. (Previously presented) The light source according to claim 10, wherein the first flexible multilayer reflector reflects yellow or red light and transmits UV, blue, or green light.
14. (Original) The light source according to claim 1, wherein the layer of phosphor material is coated on the first flexible multilayer reflector.
15. (Previously presented) A light source, comprising:
 - an LED that emits excitation light;
 - a first flexible multilayer reflector that reflects at least a portion of visible light and transmits the excitation light;

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a layer of phosphor material adjacent the flexible multilayer reflector, the phosphor material emitting visible light when illuminated with the excitation light; and
a layer of adhesive material disposed between the layer of phosphor material and the first flexible multilayer reflector.

16. (Original) The light source according to claim 1, wherein the layer of phosphor material is a discontinuous layer of phosphor material.
17. (Previously presented) The light source according to claim 16, wherein the discontinuous layer forms a plurality of dots.
18. (Original) The light source according to claim 17, wherein each dot has an area of less than 10000 microns².
19. (Original) The light source according to claim 17, wherein the plurality of dots comprise phosphor material that emits red, green and blue light when illuminated with excitation light.
20. (Previously presented) The light source according to claim 1, further comprising:
a multilayer interference reflector, wherein the layer of phosphor material is disposed
between the first flexible multilayer reflector and the multilayer interference reflector.
21. (Previously presented) The light source according to claim 20, wherein the interference reflector reflects the excitation light onto the phosphor material and transmits the visible light.
22. (Previously presented) The light source according to claim 20, wherein the interference reflector reflects yellow or red light and transmits UV, blue, or green light.

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23. (Previously presented) The light source according to claim 20, wherein the interference reflector comprises a polymeric material that resists degradation when exposed to blue, violet, or UV light.
24. (Previously presented) The light source according to claim 20, wherein the interference reflector is substantially free of inorganic materials.
25. (Previously presented) The light source according to claim 20, wherein the interference reflector comprises alternating layers of a first and second thermoplastic polymer and wherein at least some of the layers are birefringent.
26. (Original) The light source according to claim 17, wherein at least a first phosphor dot emits light at a first wavelength and a second phosphor dot emits light at a second wavelength different than the first wavelength.
27. (New) The light source of claim 4, wherein the alternating layers exhibit a refractive index difference along a z-axis parallel to a thickness of the flexible multilayer reflector, and the alternating layers exhibit a refractive index difference along an x-axis in a plane of the flexible multilayer reflector, and the z-axis refractive index difference is no more than 0.5 times the x-axis refractive index difference.
28. (New) The light source of claim 1, wherein the phosphor layer comprises phosphor particles dispersed within a polymeric binder.
29. (New) The light source of claim 15, wherein the phosphor layer comprises phosphor particles dispersed within a polymeric binder.